

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

1-29. (Canceled)

30. (Currently Amended) A master die to form a molding die used for molding an optical element, comprising:

a master die base body; and

a master die face having a plurality of protrusions or a plurality of hollows ~~so that a plurality of hollows or a plurality of protrusions are transferred from the master die face and formed on a die face of the molding die in correspondence with the plurality of protrusions or the plurality of hollows on the master die face~~ so as to transfer the plurality of protrusions or the plurality of hollows from the master die face onto a die face of the molding die, the plurality of protrusions or the plurality of hollows being formed by applying an exposing process and a developing process on a part of the master die base body.

31. (Canceled)

32. (Currently Amended) The master die of claim ~~[[31]]~~ 30, wherein the master die base body is made of a material having a hardness Hv of 300 or more in a temperature of 500 °C.

33. (Currently Amended) The master die of claim ~~[[31]]~~ 30, wherein the master die base body is made of a quartz.

34. (Currently Amended) The master die of claim ~~[[31]]~~ 30, wherein the master die base body is made of a mono crystal silicon.

35. (Currently Amended) The master die of claim ~~[[31]]~~ 30, wherein the master die base body is made of a material including a tungsten carbide.

36. (New) A method of producing the master die described in claim 30, comprising:

exposing a part of the master die base body; and

developing the exposed part of the master die base body to form the master die face having the plurality of protrusions or the plurality of hollows.